

FIG. 1

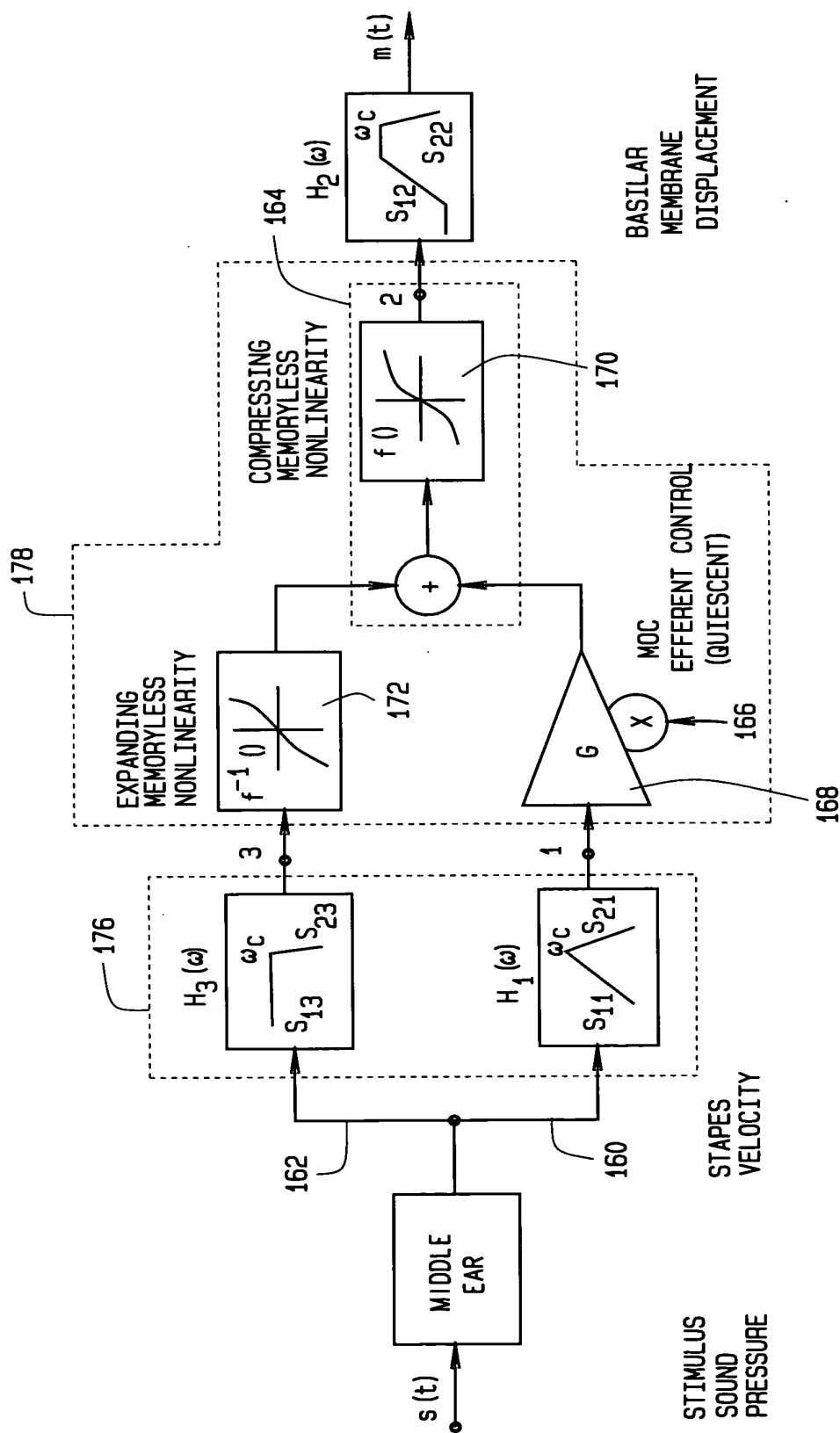


FIG. 2

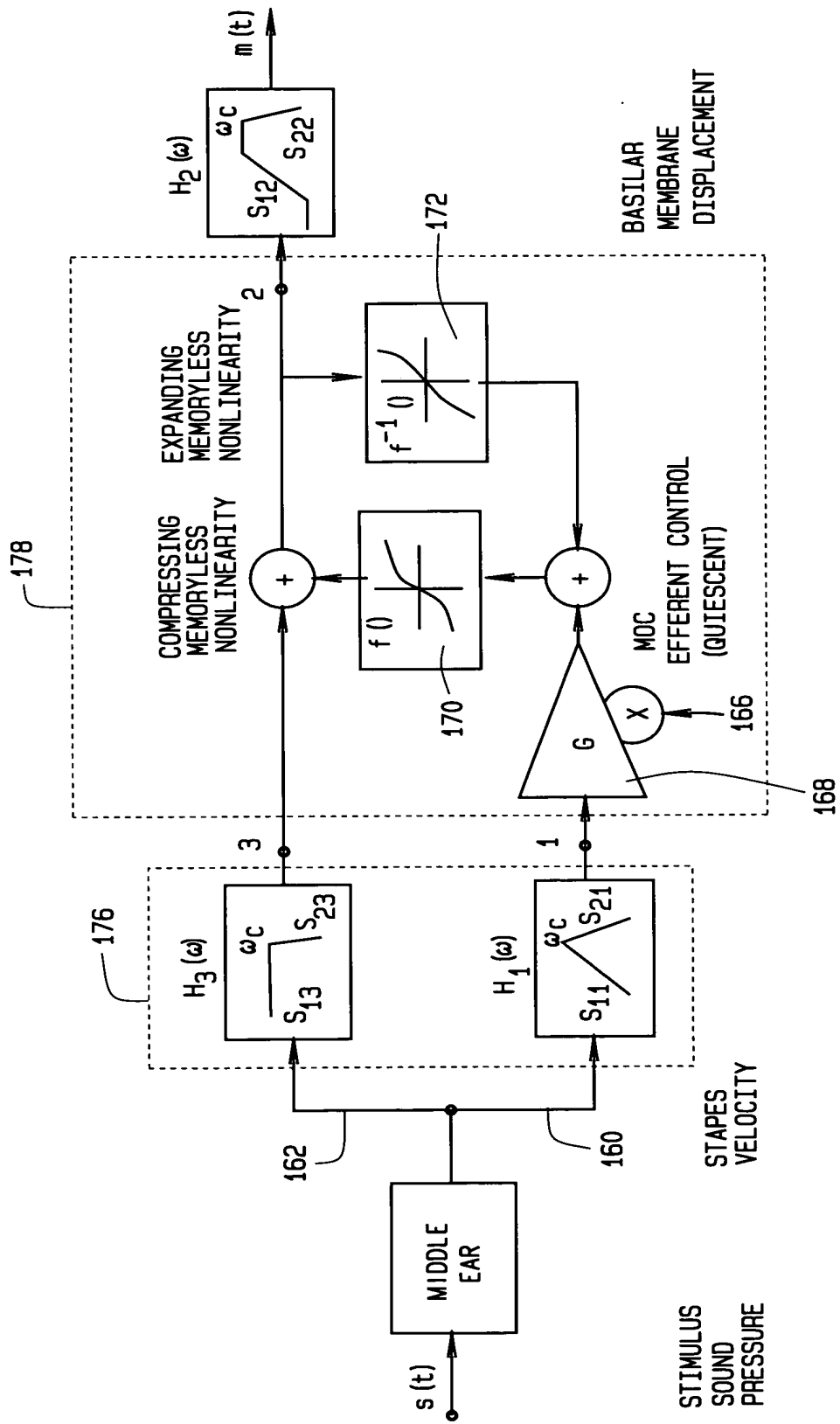


FIG. 3

099550:121001  
FOUO:07552650

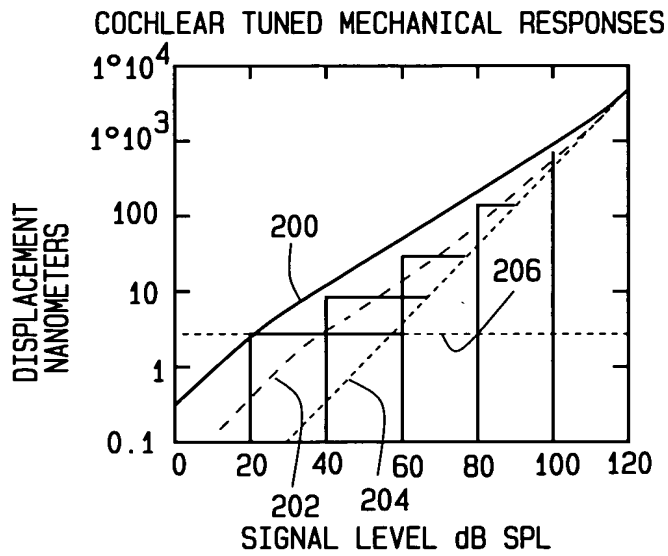


FIG. 4

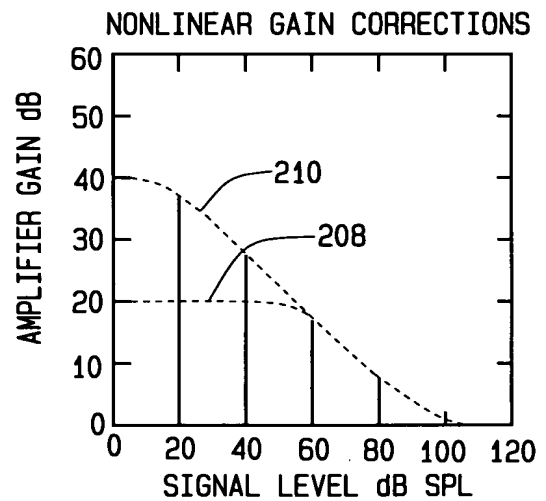


FIG. 5

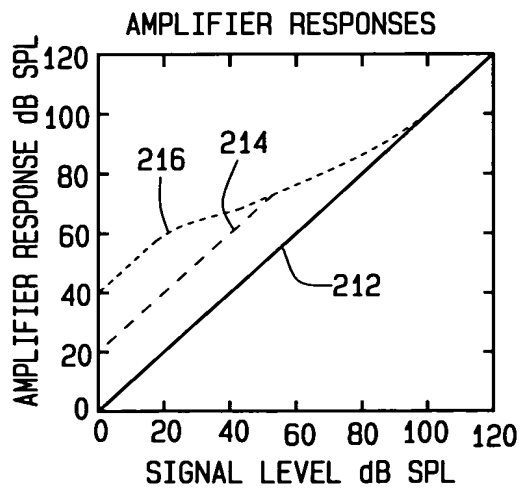


FIG. 6

0935510-1200  
FOOT-0755260

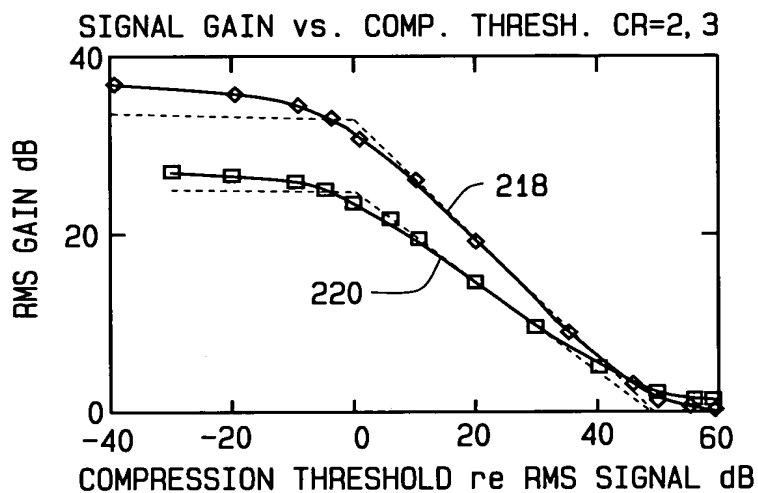


FIG. 7

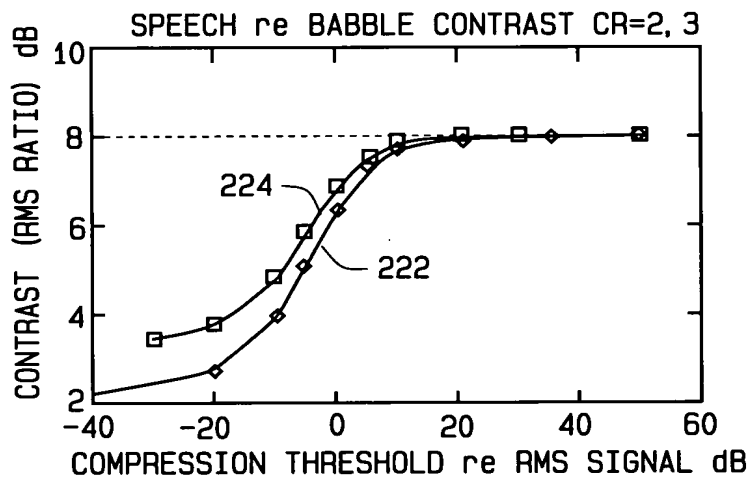


FIG. 8

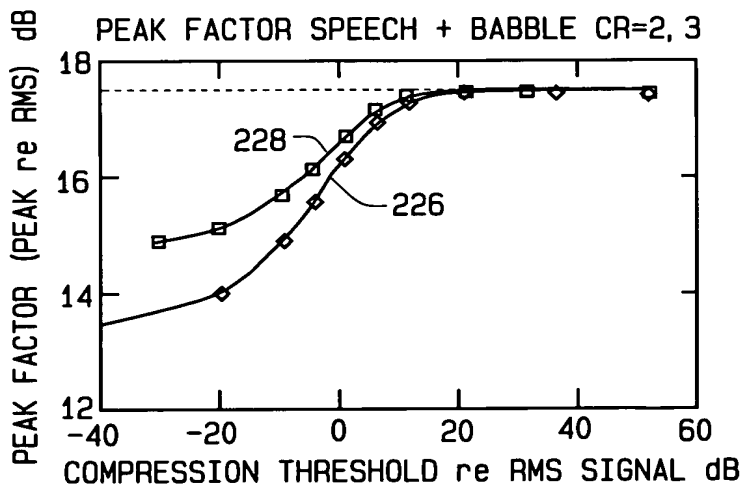


FIG. 9

ORIGINAL & MODIFIED GAIN SPECIFICATION

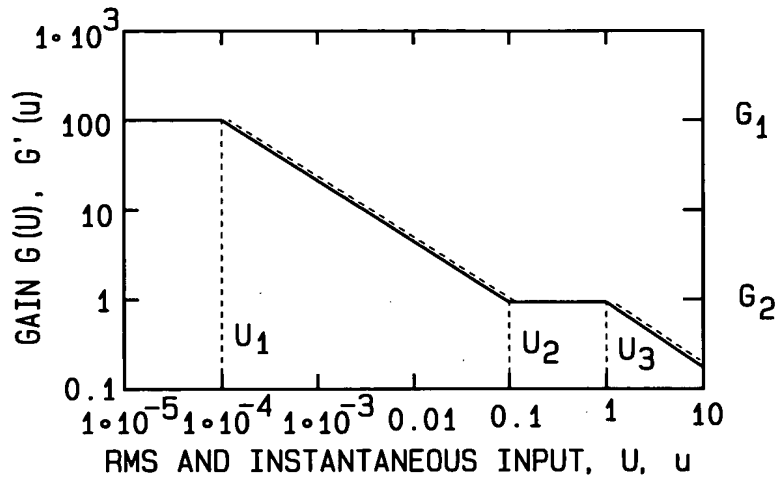
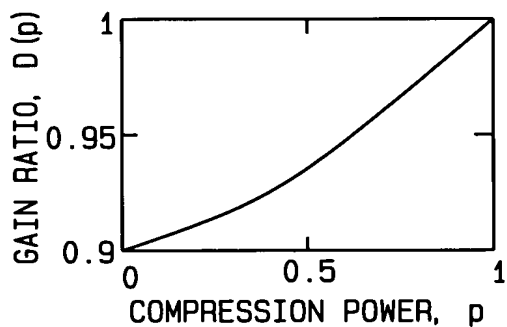


FIG. 10

DESCRIBING FUNCTION CORRECTION



$$D(p) = \left( \frac{2}{\sqrt{\pi}} \right) \cdot \frac{\Gamma(1 + .5 \cdot p)}{\Gamma(1.5 + .5 \cdot p) \cdot 2^{0.5 \cdot (1-p)}}$$

FIG. 11

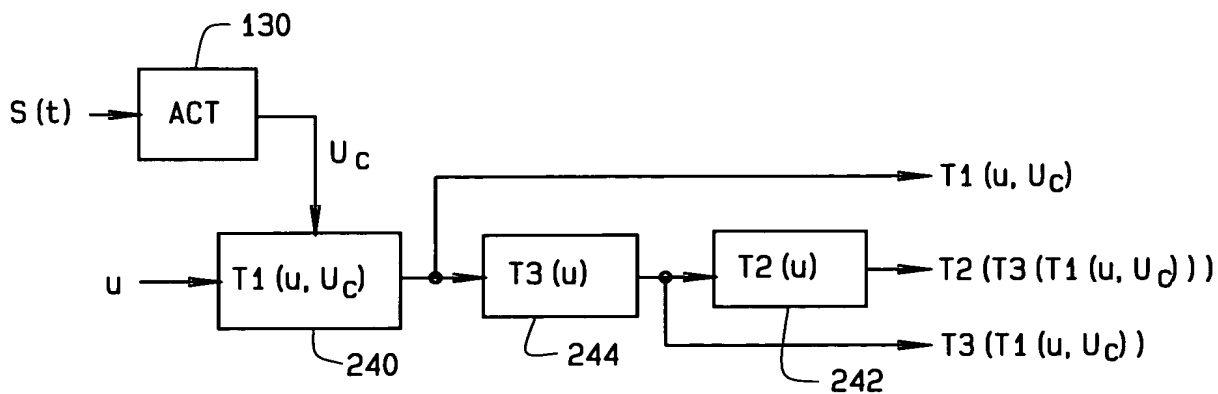


FIG. 12

CASCADE ADAPTIVE TRANSDUCER:  $T_1(u, U_c)$

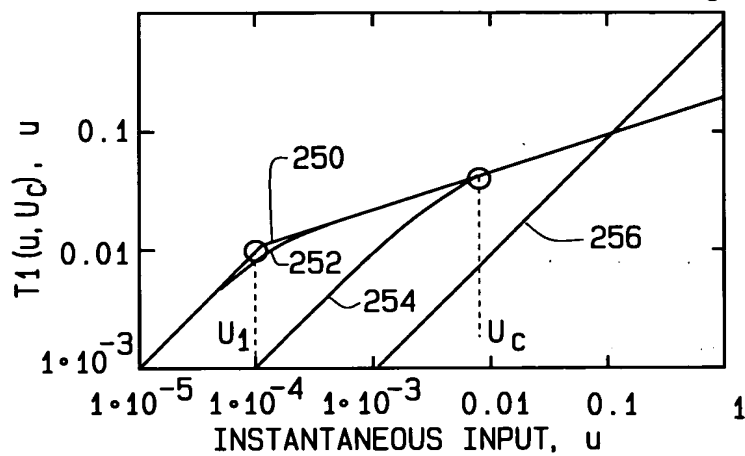


FIG. 13

CASCADE TRANSDUCER:  $T_2(u)$ ,  $T_3(u)$

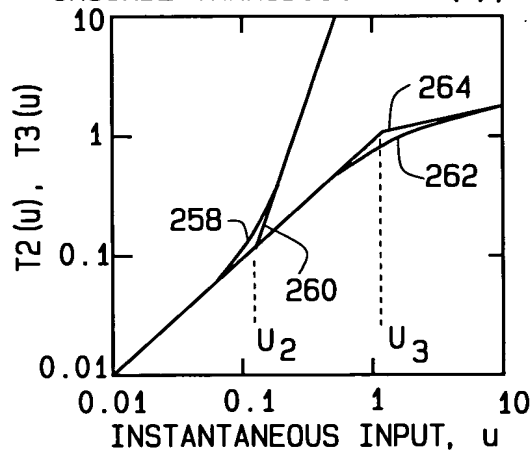


FIG. 14

ASYMPTOTIC & SMOOTH IWDRC TRANSDUCERS

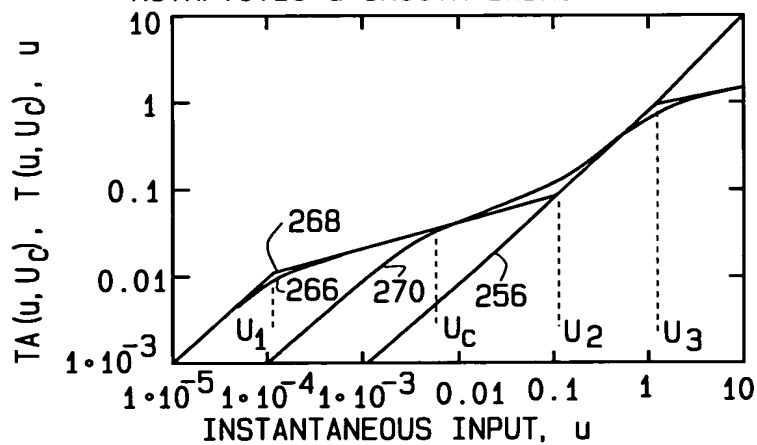


FIG. 15

# NONLINEAR & LINEAR GAIN COMPRESSION

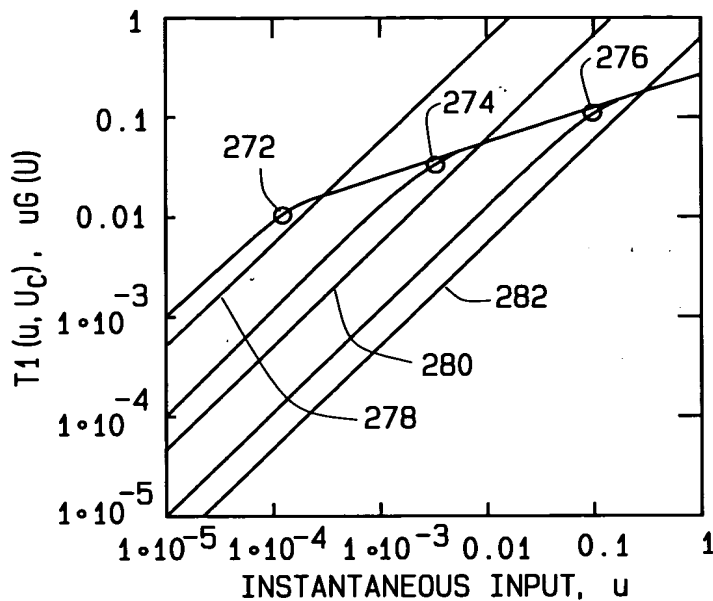


FIG. 16

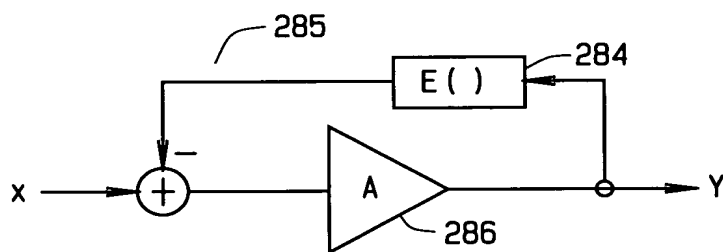


FIG. 17

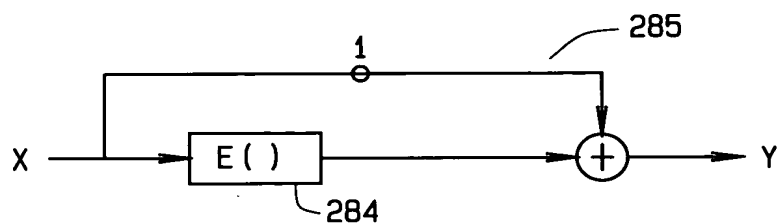


FIG. 18

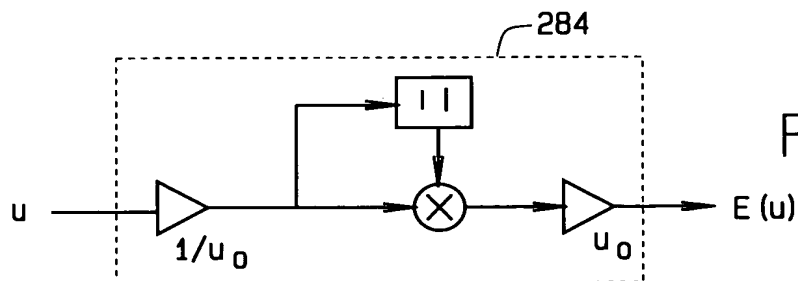


FIG. 19

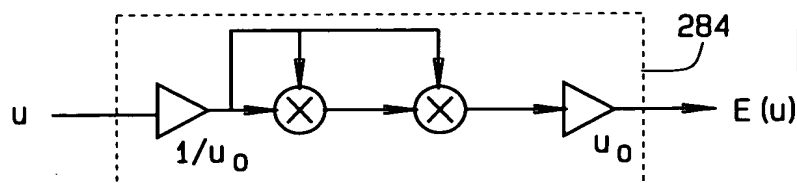


FIG. 20



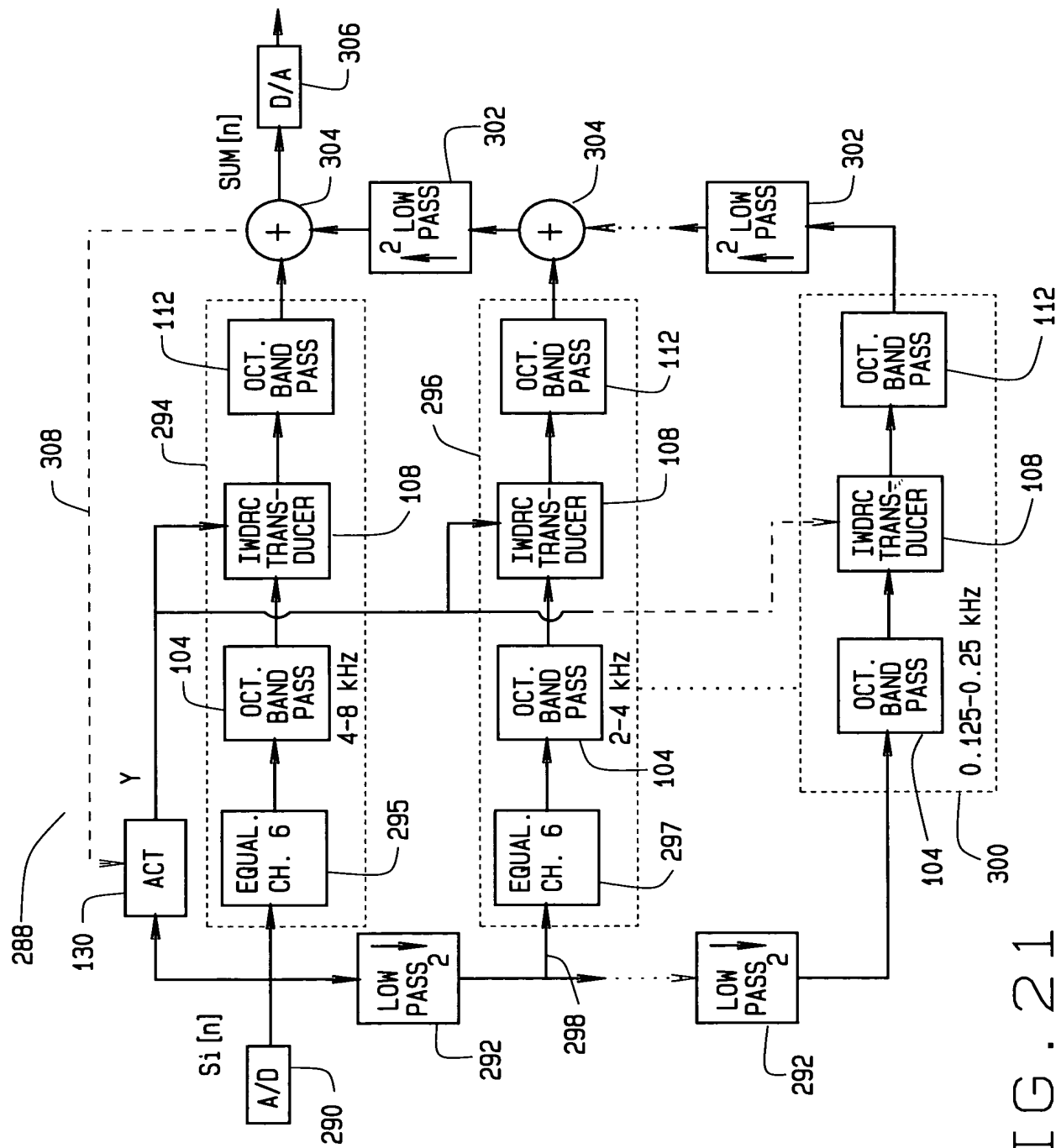


FIG. 21

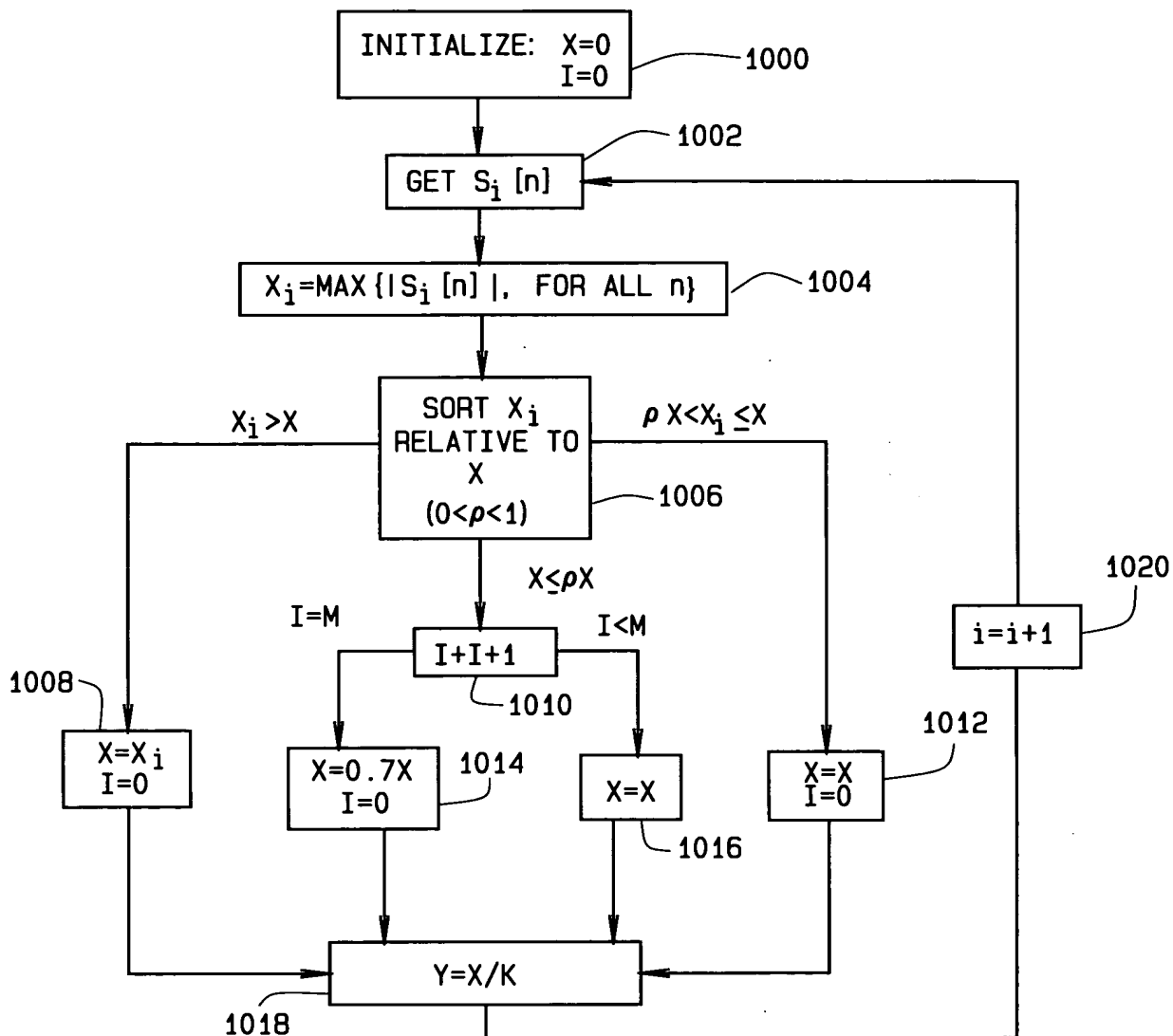


FIG. 22

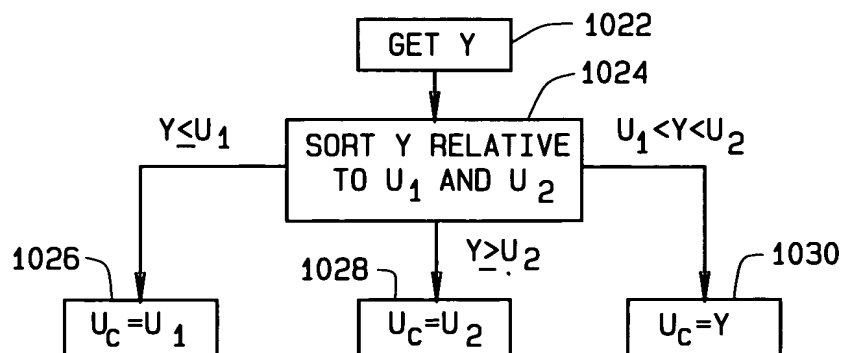


FIG. 23